BRUHATH BANGALORE MAHANAGARA PALIKE

Byatarayanapura Division

Comparitive Statement

Name of Work: Package No.05 (Consists of 3 Works)

Estimate Amount:- Rs. 10,00,00,000.00/-

Name of Contractor:- K.Gopi Reddy

Approved amount:- 87,121,418.35

Tender premium:- 4.98%

Sl. No.	Description of Work	Unit	Qty as per ScheduleB			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total		Difference		Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty	Amount	Excess	Savings	
1	2	3	7	8	9	10	11	12	13	14	15	16	10	17	18	19	20
1	Removing & Resetting of cover Slabs of drains and pointing in CM 1:2.	Sqm	13216.38	127.03	1678876.75	353.25	353.25	127.03	44873.35	0.00	127.03	0.00	353.25	44873.35	0.00	1634003.40	
2	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.	Cum	7630.81	214.79	1639021.68	4644.55	4644.55	214.79	997602.79	0.00	214.79	0.00	4644.55	997602.79	0.00	641418.89	
3	Providing of Precast slab of 10CM thick for Drains	Sqm	3960.78	2175.19	8615449.05	872.58	872.58	2175.19	1898027.29	0.00	2175.19	0.00	872.58	1898027.29	0.00	6717421.76	
4	Providing of Precast slab of 23CM thick for Culverts	Sqm	155.70	5287.84	823316.69	12.60	12.60	5287.84	66626.78	0.00	5287.84	0.00	12.60	66626.78	0.00	756689.90	
5	Removing and resetting of kerb stones	Rmt	3550.20	123.88	439798.78	0.00	0.00	123.88	0.00	0.00	123.88	0.00	0.00	0.00	0.00	439798.78	
6	Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete as directed by the Engineer in	Nos	4985.00	585.47	2918567.95	0.00	0.00	585.47	0.00	0.00	585.47	0.00	0.00	0.00	0.00	2918567.95	
7	Painting Two Coats on New Concrete Surfaces Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces	Sqm	2418.72	98.16	237421.56	0.00	0.00	98.16	0.00	0.00	98.16	0.00	0.00	0.00	0.00	237421.56	
8	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications	Sqm	225.00	1225.22	275674.50	0.00	0.00	1225.22	0.00	0.00	1225.22	0.00	0.00	0.00	0.00	275674.50	
9	Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material by Mechanical Means using Hydraulic excavator with in all lifts and lead	Sqm	7946.00	4.62	36710.52	0.00	0.00	4.62	0.00	0.00	4.62	0.00	0.00	0.00	0.00	36710.52	
10	Earth work in surface excavation for stripping, seating of bund, Road way by manual means for lowering & levelling the ground for all works other than foundation & depth in Ordinary rock and soft rock upto 300mm depth as per drawing and technical specifications, including setting out, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage& other appurtenances required to complete the work.	Cum	1944.93	521.96	1015175.66	5762.32	2431.16	521.96	1268969.58	3331.16	521.96	1738732.27	5762.32	3007701.85	1992526.19	0.00	

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			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty	Amount	Excess	Savings	
1	2	3	7	8	9	10	11	12	13	14	15	16	10	17	18	19	20
11	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum.(Tipper 5.5 m3)	Cum	10387.91	180.61	1876160.43	10406.87	10406.87	180.61	1879585.15	0.00	180.61	0.00	10406.87	1879585.15	3424.73	0.00	
12	Wet Mix Macadam (Plant mix method) Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density.	Cum	1688.64	2764.54	4668312.83	4400.75	2110.80	2764.54	5835391.03	2289.95	2764.54	6330666.94	4400.75	12166057.98	7497745.15	0.00	
13	Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means. Prime Coat over WMM/WBM	Sqm	8443.22	48.50	409496.17	19056.23	10554.03	48.50	511870.21	8502.20	48.50	412356.70	19056.23	924226.91	514730.74	0.00	
14	Tack coat on Bituminous surface Providing and applying tack coat with VG - 10 Bitumen using pressure distributor at the rate of 0.20 kg/sqm on the prepared bituminous surface cleaned with mechanical broom	Sqm	73125.21	13.86	1013515.41	61754.94	61754.94	13.86	855923.43	0.00	13.86	0.00	61754.94	855923.43	0.00	157591.98	
15	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates ofspecified grading, premixed with bituminous binder VG-40, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects	Cum	795.42	10859.55	8637903.26	956.87	956.87	10859.55	10391164.03	0.00	10859.55	0.00	956.87	10391164.03	1753260.77	0.00	
16	Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 per cent of mix and filler, transporting the hot mix to work site,laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507	Cum	2308.56	12253.37	28287639.85	1707.95	1707.95	12253.37	20928124.91	0.00	12253.37	0.00	1707.95	20928124.91	0.00	7359514.94	
17	Road Marking with Hot Applied Thermoplastic Compound with Re flectorising Glass Beads on Bituminous Surface Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/ m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015.The finished surface to be level, uniform and free from streaks and holes	Sqm	2698.92	551.98	1489749.86	1719.84	1719.84	551.98	949317.28	0.00	551.98	0.00	1719.84	949317.28	0.00	540432.58	
18	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregates	Cum	270.69	6614.58	1790500.66	169.49	169.49	6614.58	1121091.94	0.00	6614.58	0.00	169.49	1121091.94	0.00	669408.73	

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			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty	Amount	Excess	Savings	
1	2	3	7	8	9	10	11	12	13	14	15	16	10	17	18	19	20
19	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates	Cum	435.51	7206.00	3138285.06	327.43	327.43	7206.00	2359431.76	0.00	7206.00	0.00	327.43	2359431.76	0.00	778853.30	
20	Supplying, Fitting and Placing TMT Fe 500 & above Reinforcement in Foundation / Substructure / Superstructure complete as per Drawing and Technical Specifications	Tn	26.13	97077.74	2536641.35	20.13	20.13	97077.74	1954294.70	0.00	97077.74	0.00	20.13	1954294.70	0.00	582346.65	
21	Dismantling of Cement Concrete Pavement Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 m3 in volume and stock piling at designated locations and disposal of dismantled materials and stacking serviceable and unserviceable materials separately	Cum	324.83	487.32	158296.16	0.00	0.00	487.32	0.00	0.00	487.32	0.00	0.00	0.00	0.00	158296.16	
22	Dismantling of Flexible pavements and disposal of dismantled materials and stacking serviceable and unserviceable materials separately	Cum	487.34	232.11	113116.49	600.24	600.24	232.11	139321.94	0.00	232.11	0.00	600.24	139321.94	26205.45	0.00	
23	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:5:10 Using 40 mm nominal size graded crushed coarse aggregates	Cum	1166.84	5611.08	6547232.59	1228.56	1228.56	5611.08	6893537.92	0.00	5611.08	0.00	1228.56	6893537.92	346305.34	0.00	
24	Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, , primer, sealant , curing of concrete slabs for 14- days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading & unloading charges, cost and conveyance of all materials, labour, quipments etc., complete. as per the directions of the Engineer-in-charge of the work	Cum	1166.84	7519.93	8774555.12	1228.56	1228.56	7519.93	9238671.10	0.00	7519.93	0.00	1228.56	9238671.10	464115.98	0.00	
	Sub Total				**87121418.35**				**67333825.20**			**8481755.92**		**75815581.12**	**12598314.35**	**23904151.58**	

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	EIRL																
E1	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per	Cum								2530.44	2710.27	6858179.68	2530.44	6858179.68	6858179.68		
	Sub Total													**82673760.80**	**19456494.03**	**23904151.58**	
	GST 6% Savings Amount													**4447633.59**	**4447633.59**		
	Total				**87121418.35**									**83230868.05**	**23904127.62**	**23904151.58**	

Contractor

Assistant Engineer

Asst. Executive Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-97

"Approved"

ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

Executive Engineer

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ
ಬೃ.ಬೆ.ಮ.ಪಾ, ಬೆಂಗಳೂರು